CONTACT INFORMATION	3332 AV.Williams Building University of Maryland, College Park 20740	301-655-8433 yuj@umd.edu
Research Interests	Machine Learning, Graph Mining, High Performance Computing, Big Data Analytics	
EDUCATION	University of Maryland, College Park Ph.D., Computer Engineering, GPA: 3.71/4.00	Expect: May 2018 Advisor:Joseph F. JaJa
	Shanghai Jiao Tong University, Shanghai, China B.S., Electronic Science and Technology	June 2013 Rank: 2/101
RESEARCH EXPERIENCE	 Research Assistant June 2014 to present Center for Health-related Informatics and Bioimaging Advisor: Joseph F. JaJa Explored brain structural patterns from human brain network. Applied clustering techniques to generate pure connectivity-based brain atlases. Using GPU to accelerate spectral clustering on large-scaled graphs. 	
	Research Assistant The University of Hong Kong • Investigated and designed parallel matrix solver algorithm • Implemented GPU-based QR and LU matrix decomposit	
Industrial Experience	 Software Engineer Intern Nimbus Automation Technologies Designed and implemented parallized parasitic capacitar multi-thread and message-passing parallel modes. Achieved high performance in terms of speedup ratio and 	-
Publications	 Journal Paper: Q. Wang, R. Chen, J. JaJa, Y. Jin, L. Hong, and E. Herzkovits, "Connectivity-Based Brain Parcellation: A Connectivity-Based Atlas for Schizophrenia Research", Neuroinformatics, 1-15, 2015 	
	 Conference Paper: 1. Y. Jin, J. JaJa, R. Chen, and E. Herzkovits, "A Data-Driven Approach to Extract Connectivity Structures from Diffusion Tensor Imaging Data", Proceedings of IEEE International Conference on Big Data, 2015 	
SELECTED COURSE PROJECTS	 ENEE646: Digital Computer Design Simulated 5-stage and 7-stage MIPS pipeline. Built simple and MESI cache simulators, and evaluated p 	Programming Language: C performance.
	 ENEE645: Compilers and Optimization Programming Language: C++ Implemented loop forward propagation with LLVM. CMSC 714: High Performance Computing Programming Language: Scala, Java Simulated Game of Life using OpenMP and MPI Implemented k-nearest neighbor and PageRank algorithms under MapReduce and Spark parallel platforms. 	
Honors and Awards	Distinguished Graduate School Fellowship Jimmy H.C. Lin Graduate Scholarship National Scholarship (Highest honor from Chinese governme	2013 2013 nt) 2010, 2011

ACTIVITIES Student Member of ACM-ICPC team, University of Maryland Oct 2014 to Nov 2014

Student Member of IEEE Sept 2015 to present Student Member of SIAM Feb 2014 to present

GRADUATE Fall 2015: Random Processes in Communications and Control

Courses Spring 2015: Sparse Signal Processing, High Performance Computing

Fall 2014: Convex Optimization, Unsupervised Learning

Spring 2014: Scientific Computing, Compilers and Optimization, Stochastic Process Fall 2013: Digital Computer Design, Mathematical Foundations for Computer Engineering

TECHNICAL Programming Languages: C, C++, C#, Python, JAVA, SCALA, VHDL

SKILLS Software packages: Matlab, LLVM, MPI, openMP, Spark, Hadoop

Parallel Platforms: Spark, Hadoop, CUDA Operating System: Mac OS, Windows, Linux